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NATPARM

The parameter file (Open Systems) /parameter module (mainframe) which contains all the profile parameter settings for Natural. Natural cannot run without this file. NATPARM initially contains the system defaults supplied by Software AG. If you want to use Natural with parameter values other than the system defaults, you can modify NATPARM and/or create your own parameter files/modules.

Mainframe: NATPARM is a load module delivered in source form. It must be assembled and linked to the nucleus and/or to the front-end module. See the topic Configuring Natural in your Natural Operations documentation.

Windows: NATPARM is a binary file which you can edit using the Natural Configuration Utility.

UNIX/Open VMS: NATPARM is a binary file which you can edit using the NATPARM utility. See the topic NATPARM Utility under Profile Parameters in your Natural Operations documentation.

Natural Advanced Facilities

Natural Advanced Facilities consists of NATSPOOL, the spooling and report management system which permits Natural program output to be spooled and subsequently routed to physical printers.

Natural Command Processor (NCP)

Consists of two components: maintenance and runtime. The SYSNCP utility, as described in the Natural cross-platform documentation, is the maintenance part which comprises all facilities used to define and control navigation within an application. The PROCESS COMMAND statement (see the Natural Statements documentation) is the runtime part used to invoke Natural programs.

Natural Configuration Utility

Windows: You use the Natural Configuration Utility to maintain the following:

- Global and local configuration files
- Natural parameter files

For further information, see the topic Creating Parameter Files under Profile Parameter Usage in your Natural Operations documentation. .

Natural Construct

An application generator which provides a variety of highly flexible application structure templates. It automates many aspects of Natural software production and can be used by IT-experts and IT non-experts alike.

Natural Construct Spectrum

Provides access to mainframe Natural from Windows. Using Natural Construct Spectrum and the software development kit (SDK), application developers can create all the components of a client/server and web application, including Natural object subprograms that perform maintenance and browse functions, and GUI dialogs or web pages that communicate with these Natural object subprograms. Communication between server and client components of an application is performed by a combination of Entire Broker and Entire Net-Work (or Entire Broker configured to use TCP/IP), as well as Construct SpectrumŸs middleware components.

Natural Debugger

Open Systems: The Natural Debugger enables you to:

- temporarily control or influence the program flow of a Natural application by modifying variables,
- check the program flow through a calls history,
- detect logical application errors in a Natural program by checking the contents of its variables using breakpoints or conditions for program interruption;
- permanently watch variables.

The Debugger helps you to understand programs written by other people more easily, develop your own applications more quickly and better understand the logic of Natural if you are a first-time user.

For further information, see your Natural Debugger Manual.

Natural Development Server

Enables the Natural Studio development environment to be mapped onto a remote Natural environment. You can then develop and test Natural applications in remote environments without leaving the common work-area of Natural Studio. At present, Natural Development Server is available on mainframes. Development servers for other platforms and operating systems are planned.

The Natural Development Server is documented in the Single Point of Development documentation.

Natural Engineer

Mainframe and Windows: Tool for checking Natural code, maintaining it and ensuring its compliance to defined requirements. Enables you to reengineer and maintain Natural applications into the future, applying standards, maintaining flexibility and preparing for the adoption of new technologies.

Natural ISPF (Integrated Structured Programming Facility)

Natural ISPF is Software AG’s application development tool for building, testing and maintaining applications throughout their life cycle.

Natural Object Handler

Open Systems: Processes objects for distribution of applications. This is done by unloading the objects in the source environment into work files and loading them from work files into the target environment. The Natural Object Handler consists of the utility SYSOBJH which is located in the library SYSOBJH, and the direct command interface. For further information, see the section Natural Object Handler - General Information in the Natural Transfer Applications (SYSOBJH)/SYSOBJH Utility documentation.

Natural Optimizer Compiler

Mainframe: A Natural compiler which generates machine code wherever possible (otherwise it generates pseudo code). See your Natural Optimizer Compiler documentation.

Natural RPC (Remote Procedure Call)

Implements RPC techniques in a Natural environment. Natural RPC enables Natural to call Natural subprograms, applications, procedures and object methods on a remote computer through a network via EntireX Broker. The client sends a request to the server which provides the service. Request transmission is executed through client and server stubs.

The connections between client, server and services are configured for each Natural client using the Natural utility SYSRPC.

For further information, see the Natural Remote Procedure Call documentation in the documentation collection for all platforms.

Natural Runtime

1. The product Natural Runtime provides the environment necessary for executing Natural applications.
2. The virtual machine which interprets Natural code.

Natural Security

A comprehensive security system which enables you to control, check or prevent access to your Natural environment.

For further information, see the Natural Security documentation.

Natural Studio

Windows: Natural's GUI development environment. Natural Studio integrates the previously separate editors and tools into one easy-to-use work area.

See the topics Introduction to Natural Studio and Natural Studio in the User's Guide.

Natural Web Interface

Natural Web Interface offers comfortable web enabling of existing Natural applications. Natural Web Interface is a link between a Web Server (HTTP server) and your Natural environment. This can be on a separate server machine (such as a mainframe) or on the same machine as the HTTP server (e.g. Netscape's Communication Server or Microsoft's IIS).

Natural Web adaptor server extensions

Part of Natural Web Interface, the implementations of various server interfaces such as CGI, ISAPI and NSAPI.

NaturalX

Allows applications to be transformed into DCOM-compliant components. Used for writing and distributing object-based Natural applications using distributed object technology (currently DCOM). Not available under Open VMS.

For further information, see the NaturalX documentation.

Network

Predict: Together with Predict objects of type virtual machine, networks document the hardware and operating system environment of a data processing system.

Node

Predict: Predict objects of type node are used together with objects of type server to document remote procedure calls.

Node Name

Natural RPC: The name of the node to which the remote CALLNAT is sent. With EntireX Broker, the node name is the name of the EntireX Broker as defined in the EntireX Broker attribute file in the field BROKER-ID. See also Natural RPC.

NSAPI = Netscape Application Programming Interface

Used by Natural Web Interface to provide Internet services in Natural.

Nucleus

A collection of service programs such as memory administration, string handling, operating system interfaces, the compiler and the runtime environment which comprise the kernel of Natural.

Mainframe: The nucleus is independent of the operating-system and the TP system. See also shared nucleus.

Open Systems: The nucleus is the only part of Natural which is operating-system-dependent.

